

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	692	'displacement assay'	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:53
L2	2	I1 and 'heat killed'	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:53
L3	442	I1 and antibody	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:54
L4	320	I3 and antigen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:54
L5	1	I4 and varnish	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:57
L6	6	I4 and 'tetramethyl benzidine'	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:58
L7	113	I4 and 'horseradish peroxidase'	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 18:58

***** STN Columbus *****

FILE 'HOME' ENTERED AT 19:13:21 ON 07 DEC 2005

=> b ca		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CA' ENTERED AT 19:13:51 ON 07 DEC 2005
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FILE COVERS 1907 - 1 Dec 2005 VOL 143 ISS 24
FILE LAST UPDATED: 1 Dec 2005 (20051201/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s displacement(w)assay?
91521 DISPLACEMENT
488357 ASSAY?
L1 438 DISPLACEMENT(W)ASSAY?

=> s l1 and heat(w)killed
1198243 HEAT
48511 KILLED
2466 HEAT(W)KILLED
L2 1 L1 AND HEAT(W)KILLED

=>.d all

L2 ANSWER 1 OF 1 CA COPYRIGHT 2005 ACS on STN
AN 142:51793 CA
ED Entered STN: 13 Jan 2005
TI ***Displacement*** ***assay*** for selective biological material
detection
IN Bodenhamer, William T.
PA USA
SO U.S. Pat. Appl. Publ., 10 pp., nul
CODEN: USXXCO
DT Patent
LA English
IC ICM G01N033-53
ICS G01N033-537; G01N033-543; C12M001-34
INCL 435007920; 435287200; 427002110
CC 9-1 (Biochemical Methods)
Section cross-reference(s): 4, 10, 17
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2004259178	A1	20041223	US 2004-767464	20040128
PRAI US 2003-443299P	P	20030128		

CLASS
PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

US 2004259178 ICM G01N033-53
ICS G01N033-537; G01N033-543; C12M001-34
INCL 435007920; 435287200; 427002110

US 2004259178 NCL 435/007.920
ECLA G01N033/569D

AB The present invention relates to ***displacement*** ***assay***
type bioassay materials useful for the detection of toxic substances and,
more particularly, to packaging materials for food and other products,
along with methods for their manuf. and use. The invention provides a
unique composite material capable of detecting and identifying multiple
biol. materials within a single package. The biol. material
identification system is designed for incorporation into existing types of
flexible packaging material such as polyvinylchloride or polyolefin films,
and its introduction into the existing packaging infrastructure will
require little or no change to present systems or procedures. Pseudomonas
LPS was printed in an icon shape in a water based varnish on strips of
plastic. The strips were reacted with antibody-horseradish peroxidase
conjugate, washed and placed in either wash buffer or ***heat*** -
killed Pseudomonas soln. The strips were washed, dried and
treated with TMB. The antibody-HRP conjugate was displaced by Pseudomonas
in soln. as seen by color removal from the strips.

ST ***displacement*** ***assay*** biol material detection; toxic
substance detection displacement bioassay; packaging material biol
identification system; Pseudomonas detection antibody peroxidase conjugate
displacement ***assay***

IT Adhesives
(Bynel, as polymer film; ***displacement*** ***assay*** for
selective biol. material detection)

IT Plastics, analysis
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST
(Analytical study); USES (Uses)
(Pseudomonas lipopolysaccharides printed in icon shape in water-based
varnish on strips of; ***displacement*** ***assay*** for
selective biol. material detection)

IT Lipopolysaccharides
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);
DEV (Device component use); ANST (Analytical study); BIOL (Biological
study); USES (Uses)
(Pseudomonas, printed in icon shape in water-based varnish on plastic
strips; ***displacement*** ***assay*** for selective biol.
material detection)

IT Varnishes
(antibody bound through sol.; ***displacement*** ***assay***
for selective biol. material detection)

IT Polyolefins
RL: DEV (Device component use); USES (Uses)
(as polymer film; ***displacement*** ***assay*** for selective
biol. material detection)

IT Food packaging materials
Packaging materials
(biol. material identification system in; ***displacement***
assay for selective biol. material detection)

IT Antibodies and Immunoglobulins
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);
ANST (Analytical study); BIOL (Biological study); USES (Uses)
(conjugates; ***displacement*** ***assay*** for selective biol.
material detection)

IT Pseudomonas
(detection of; ***displacement*** ***assay*** for selective
biol. material detection)

IT Biological materials
Coloring materials
(***displacement*** ***assay*** for selective biol. material
detection)

IT Toxins
RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical
study); BIOL (Biological study)
(***displacement*** ***assay*** for selective biol. material
detection)

IT Polyamides, uses

RL: DEV (Device component use); USES (Uses)
 (***displacement*** ***assay*** for selective biol. material
 detection)

IT Polymers, analysis
 RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST
 (Analytical study); USES (Uses)
 (***displacement*** ***assay*** on clear and flexible film of;
 displacement ***assay*** for selective biol. material
 detection)

IT Bioassay
 (displacement; ***displacement*** ***assay*** for selective
 biol. material detection)

IT Composites
 (for identifying multiple biol. materials within single package;
 displacement ***assay*** for selective biol. material
 detection)

IT Antigens
 RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);
 DEV (Device component use); ANST (Analytical study); BIOL (Biological
 study); USES (Uses)
 (***heat*** - ***killed*** or facsimile, ***displacement***
 assay with; ***displacement*** ***assay*** for
 selective biol. material detection)

IT Films
 (of clear and flexible polymers, ***displacement*** ***assay***
 on; ***displacement*** ***assay*** for selective biol. material
 detection)

IT 9002-88-4, Polyethylene
 RL: DEV (Device component use); USES (Uses)
 (Sclair, as polymer film; ***displacement*** ***assay*** for
 selective biol. material detection)

IT 9002-86-2, Polyvinylchloride 32131-17-2, Dartek, uses
 RL: DEV (Device component use); USES (Uses)
 (as polymer film; ***displacement*** ***assay*** for selective
 biol. material detection)

IT 9003-99-0D, Peroxidase, conjugates with antibody
 RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);
 CAT (Catalyst use); ANST (Analytical study); BIOL (Biological study); USES
 (Uses)
 (***displacement*** ***assay*** for selective biol. material
 detection)

IT 34314-06-2, Tetramethyl benzidine
 RL: ARG (Analytical reagent use); RCT (Reactant); ANST (Analytical study);
 RACT (Reactant or reagent); USES (Uses)
 (***displacement*** ***assay*** for selective biol. material
 detection)

=> s l1 and antibod?

438445 ANTIBOD?

L3 56 L1 AND ANTIBOD?

=> s l3 and varnish

25370 VARNISH

L4 1 L3 AND VARNISH

=> d ti

L4 ANSWER 1 OF 1 CA COPYRIGHT 2005 ACS on STN

TI. ***Displacement*** ***assay*** for selective biological material
 detection

=> s l3 and polymer(w) film?

1008419 POLYMER

1131796 FILM?

34947 POLYMER(W) FILM?

L5 1 L3 AND POLYMER(W) FILM?

=>. d ti

L5 ANSWER 1 OF 1 CA COPYRIGHT 2005 ACS on STN
TI ***Displacement*** ***assay*** for selective biological material
detection

=> d his

(FILE 'HOME' ENTERED AT 19:13:21 ON 07 DEC 2005)

FILE 'CA' ENTERED AT 19:13:51 ON 07 DEC 2005

L1 438 S DISPLACEMENT(W)ASSAY?
L2 1 S L1 AND HEAT(W)KILLED
L3 56 S L1 AND ANTIBOD?
L4 1 S L3 AND VARNISH
L5 1 S L3 AND POLYMER(W)FILM?

=> logoff y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	22.62	22.83
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.36	-1.36

STN INTERNATIONAL LOGOFF AT 19:17:55 ON 07 DEC 2005

Day : Wednesday

PALM INTRANET

Date: 12/7/2005

Time: 19:19:07

Inventor Name Search Result

Your Search was:

Last Name = BODENHAMER

First Name = [Nothing Entered]

Application#	Patent#	Status	Date Filed	Title	Inventor Name
60220954	Not Issued	159	07/26/2000	Special techniques for signal processing	BODENHAMER, ALBERT
06044508	4222654	150	06/01/1979	CAMERA ADAPTER BRACKET	BODENHAMER, DONALD J.
07002702	Not Issued	161	01/12/1987	COUPLING	BODENHAMER, ROBERT L.
07084813	4775982	150	08/13/1987	CRUCIBLE FOR ELECTRIC ARC FURNACE	BODENHAMER, ROBERT L.
07234699	Not Issued	161	08/22/1988	SEASONING DISPENSER	BODENHAMER, ROBERT L.
09218827	6051388	150	12/22/1998	METHOD AND APPARATUS FOR SELECTIVE BIOLOGICAL MATERIAL DETECTION	BODENHAMER, WILLIAM T
09550777	6376204	150	04/17/2000	METHOD AND APPARATUS FOR SELECTIVE BIOLOGICAL MATERIAL DETECTION	BODENHAMER, WILLIAM T.
09550779	6379908	150	04/17/2000	METHOD AND APPARATUS FOR SELECTIVE BIOLOGICAL MATERIAL DETECTION	BODENHAMER, WILLIAM T.
09724438	6692973	150	11/28/2000	SURFACE BINDING OF AN IMMUNOGLOBULIN TO A FLEXIBLE POLYMER USING A WATER SOLUBLE VARNISH MATRIX	BODENHAMER, WILLIAM T.
09837559	Not Issued	160	04/17/2001	Method and apparatus for biological material detection by heterogeneous light transmission	BODENHAMER, WILLIAM T.
09837639	6696264	150	04/17/2001	METHOD AND APPARATUS FOR DETECTION OF	BODENHAMER, WILLIAM T.

				MULTIPLE BIOLOGICAL MATERIALS WITH A HETEROGENEOUS ANTIBODY MIXTURE	
<u>09930563</u>	<u>6841392</u>	150	08/15/2001	METHOD AND APPARATUS FOR SELECTIVE BIOLOGICAL MATERIAL DETECTION	BODENHAMER, WILLIAM T.
<u>10002402</u>	<u>6867052</u>	150	10/25/2001	BIOLOGICAL MATERIAL DETECTING ARTICLES OF MANUFACTURE	BODENHAMER, WILLIAM T.
<u>10767464</u>	Not Issued	30	01/28/2004	Displacement assay for selective biological material detection	BODENHAMER, WILLIAM T.
<u>60443299</u>	Not Issued	159	01/28/2003	Displacement assay for selective biological material detection	BODENHAMER, WILLIAM T.

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name
<input type="text" value="bodenhamer"/>	<input type="text"/>

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